

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings in the application:

Listing of Claims:

1. (Currently amended) A solid composite latent curing agent particle comprising:
at least one latent curing agent A or precursors thereof adapted for synthesis, modification, curing, cross-linking, secession and/or initiating of polymerization of polymers at a temperature above 100°C, said at least one latent curing agent A being selected from the group consisting of a urea derivative, an imidazole, a dicyandiamide (DICY), mixtures thereof and a precursor thereof, and
at least one inorganic inert particle B being selected from a group comprising metal oxides, mineral or natural fillers or any mixture thereof having a maximal size of 2 microns having a surface area in the range of 1 to 300 m²/g, said inorganic inert particles B carrying said latent curing agent A on at least one of an outer surface and an inner portion thereof;
wherein a weight ratio of said at least one latent curing agent A to said inert particles B ranges from 0.01 A:100B to 50A:100B; and
wherein said at least one latent curing agent is selected from the group consisting of a urea derivative, an imidazole, a dicyandiamide, mixtures thereof and a precursor thereof wherein said particle has a maximal side of less than 2 microns.
 2. (Currently amended) The solid composite latent curing agent particle according to claim 1 ~~configured for curing thermoset polymers;~~ wherein the at least one latent curing agent A is adapted configured to initiate cross linking and/or polymerization of said thermoset polymers.
- Claims 3-16 (Cancelled)
17. (Currently amended) A solid composite latent curing agent particle according to claim 1, comprising a core comprising said at least one inorganic inert particle B coated by a layer comprising the at least one latent curing agent A.

18. (Currently amended) A solid composite latent curing agent particle according to claim 1, wherein said at least one inorganic inert particle comprises a component selected from the group consisting of BaSO₄ (barium sulfate), CaSO₄, CaCO₃ talc, silica, kaolin, mica and glass.
19. (Currently amended) A solid composite latent curing agent particle according to claim 1, wherein said at least one latent curing agent A ~~is~~ comprises diacyandiamide (DICY).
20. (Currently amended) A solid composite latent curing agent particle according to claim 19, wherein said at least one inorganic inert particle B comprises barium sulfate.
21. (Currently amended) A solid composite latent curing agent particle according to claim 1, wherein said at least one latent curing agent A is in a crystalline form.
22. (Currently amended) A solid composite latent curing agent particle according to claim 1, wherein said at least one latent curing agent A is adapted for activation at temperatures above 120°C.
23. (Currently amended) A solid composite latent curing agent particle according to claim 1, wherein said at least one inorganic inert particle B has a specific surface area in a range of 1-50m²/g.
24. (Cancelled)
25. (Cancelled)